

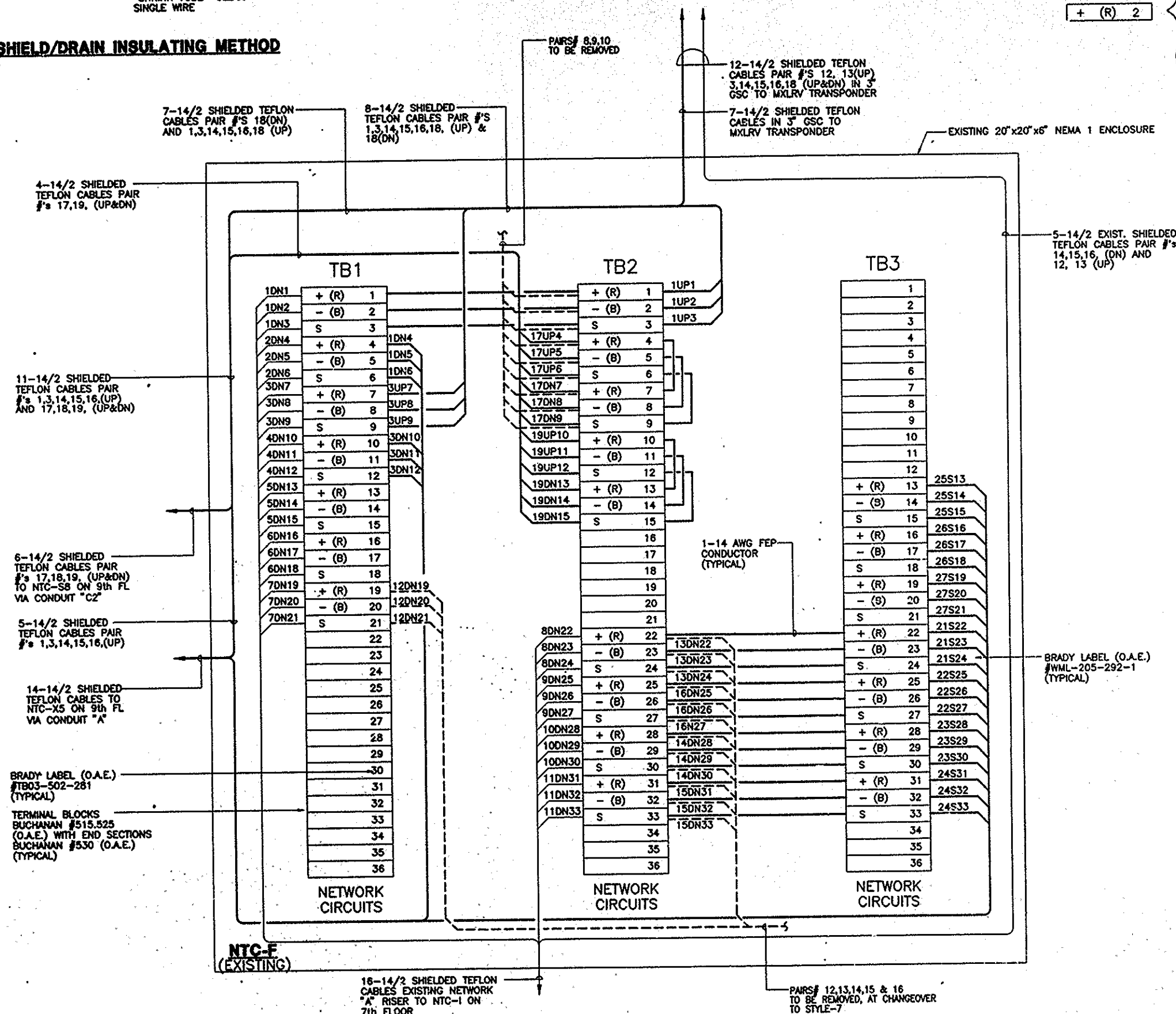
DETAIL "A" - TYPICAL SHIELD/DRAIN INSULATING METHOD

NOTES:

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG'S E-1 AND E-2.
2. ALL SHIELDS SHALL BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE DETAIL "A" (ON THIS DWG).
3. FOR NTC-F ENCLOSURE LOCATION, SEE DWG E-26.
4. CONTRACTOR SHALL SHAPE, TEST AND LABEL ALL CABLES. FINAL CONNECTION SHALL BE MADE BY CONTRACTOR IN THE PRESENCE AND UNDER THE DIRECT SUPERVISION OF THE ENGINEER.

LEGEND

- 21UP5  
21DN5
- 14 AWG CONDUCTORS AND DRAINS  
21 - INDICATES PAIR NUMBER  
S - INDICATES SPARE PAIR  
UP - INDICATES WIRE RUN TO UPPER FLOOR  
DN - INDICATES WIRE RUN TO LOWER FLOOR  
5 - INDICATES TERMINAL BLOCK NUMBER
- TB2 - TERMINAL BLOCK #2
- (+) INDICATES POSITIVE POLARITY  
(-) INDICATES NEGATIVE POLARITY  
(R) INDICATES RED WIRE  
(B) INDICATES BLACK WIRE  
(S) INDICATES SHIELD/DRAIN WIRE  
2 INDICATES TERMINAL BLOCK POINT NUMBER



I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-861.571 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 12/10/99 CONTRACT ENGINEER  
DATE 12/10/99 ENGINEERING PROGRAM MGR.

THE PORT AUTHORITY  
OFFICE OF THE

ENGINEERING PROGRAM MANAGER  
WORLD TRADE CENTER  
CHIEF ELECTRICAL ENGINEER

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD  
TRADE  
CENTER

ELECTRICAL

Title  
FIRE ALARM SYSTEM  
PHASE III  
5 WTC MER'S, EMR'S  
AND SUBSTATIONS

NTC-F  
BLOCK WIRING  
DIAGRAM

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

FELDSTEIN ROYZMAN  
Designed by Drawn by

5-17-99  
Date

WTC-861.571 E-33  
Contract Number Drawing Number